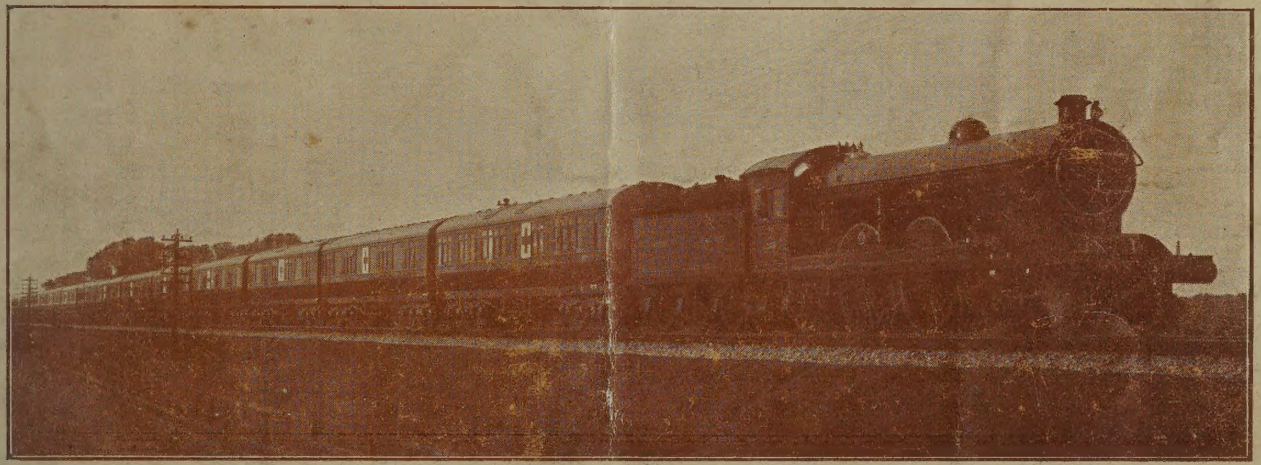
NORTH EASTERN RAILWAY

AMBULANCE TRAIN



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AMBULANCE TRAIN FOR THE CONTINENT.

The train has been constructed at the Carriage and Wagon Works of the North Eastern Railway, York, and is for use on the Continent in conveying troops to the Base Hospitals.

The train consists of 16 carriages, in the order and affording the accommodation shewn:—

1 Brake and Infectious Lying-down Car.	1 Train Guard. 18 Lying-down Cases.
1 Staff Car.	4 Nurses. 4 Medical Officers.
1 Kitchen Car with accommodation for Sitting Sick Officers.	3 Cooks. 20 Cases.
1 Sick Officers' Lying-down Ward Car.	36 Lying-down Cases.
3 Ordinary Lying-down Ward Cars.	108 ,, ,,
1 Pharmacy Car.	
4 Ordinary Ward Cars.	144 Lying-down Cases.
1 Infectious Sitting Car.	56 Sitting-up Cases. 14 Lying-down Cases.
1 Kitchen and Mess Room Car.	3 Cooks.
1 Personnel Car.	33 Orderlies, etc.
1 Brake and Stores Car.	1 Train Guard.
16	445.

With the bottom beds in the Ward Cars used for sitting-up cases the accommodation is increased to 659.

The total length of the train is 890ft. 8ins. over buffers, and the weight when loaded approximately 465 tons, exclusive of engine. The train is vestibuled throughout, and the exterior is painted khaki colour with a Red Cross on a white ground on both sides of each vehicle.

A good supply of water is carried, the total quantity on the train being 2,700 gallons. High pressure steam heating is provided to all cars from the engine.

The Westinghouse air brake and "Passenger" communication alarm signal are also fitted throughout the train.

BRAKE AND INFECTIOUS CAR—This car consists of a brake compartment fitted with hand brakes, etc., also cupboard, seats and table for use of the train guard. Adjoining is a guard's living room, connected by a sliding door. The remaining portion of the car is arranged for lying infectious cases, and divided into two sections for different kinds of infection, each section having a lavatory, sink and water supply, and screened off by a washable linen curtain. One section contains six cots arranged in two tiers, the other section is arranged in two compartments, connected by a sliding door, each containing six cots similarly arranged.

WARD CAR, shewing accommodation arranged for 36 lying-down cases

STAFF CAR—This car gives accommodation for Medical Officers and Nurses, and is provided with Day and Sleeping Compartments. The Medical Officers' Mess Room at one end of the car is fitted with a dining table, chairs and cupboard, also a lounge which is made to slide forward, it being then possible to make the seat into another bed. There is also a Mess Room for Nurses at the other end of the car similarly arranged.

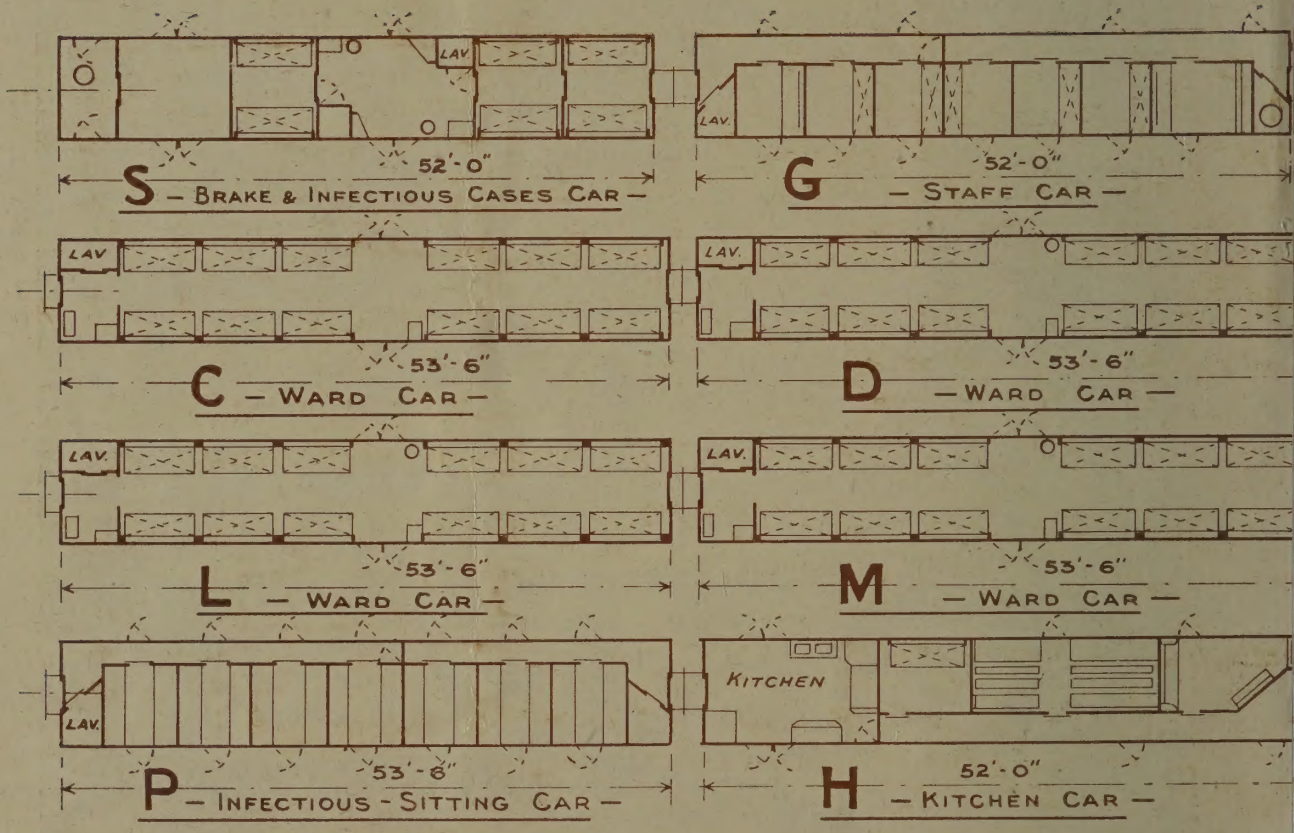
There are three bedrooms for the Medical Officers immediately adjacent to their Mess Room, and two bedrooms for Nurses ; one of these has two beds the one above the other ; the upper one can be turned upwards when not required for sleeping purposes.

Each bedroom is provided with a wardrobe, table, chair, net racks and bookshelf, and a radiator connected to the steam heating system which warms the whole train.

A well-appointed lavatory for Nurses is placed at one end, containing, in addition to the usual fixtures, a flexible shower spray, and an abundant supply of hot and cold water, the Officers' Lavatory, similarly fitted, being situated in the adjoining Kitchen Car. The various rooms are entered by a sliding door from a side corridor, a swing door dividing the Medical Officers' Section from that of the Nurses'.

An important feature of this vehicle is that, in addition to the ordinary heating apparatus, a self-contained stove and hot water system is fitted to warm the car when standing in sidings, on account of the staff living regularly on the train.

WARD
CAR,
shewing
accommodation
arranged for
12 lying-down
and
48 sitting
cases.



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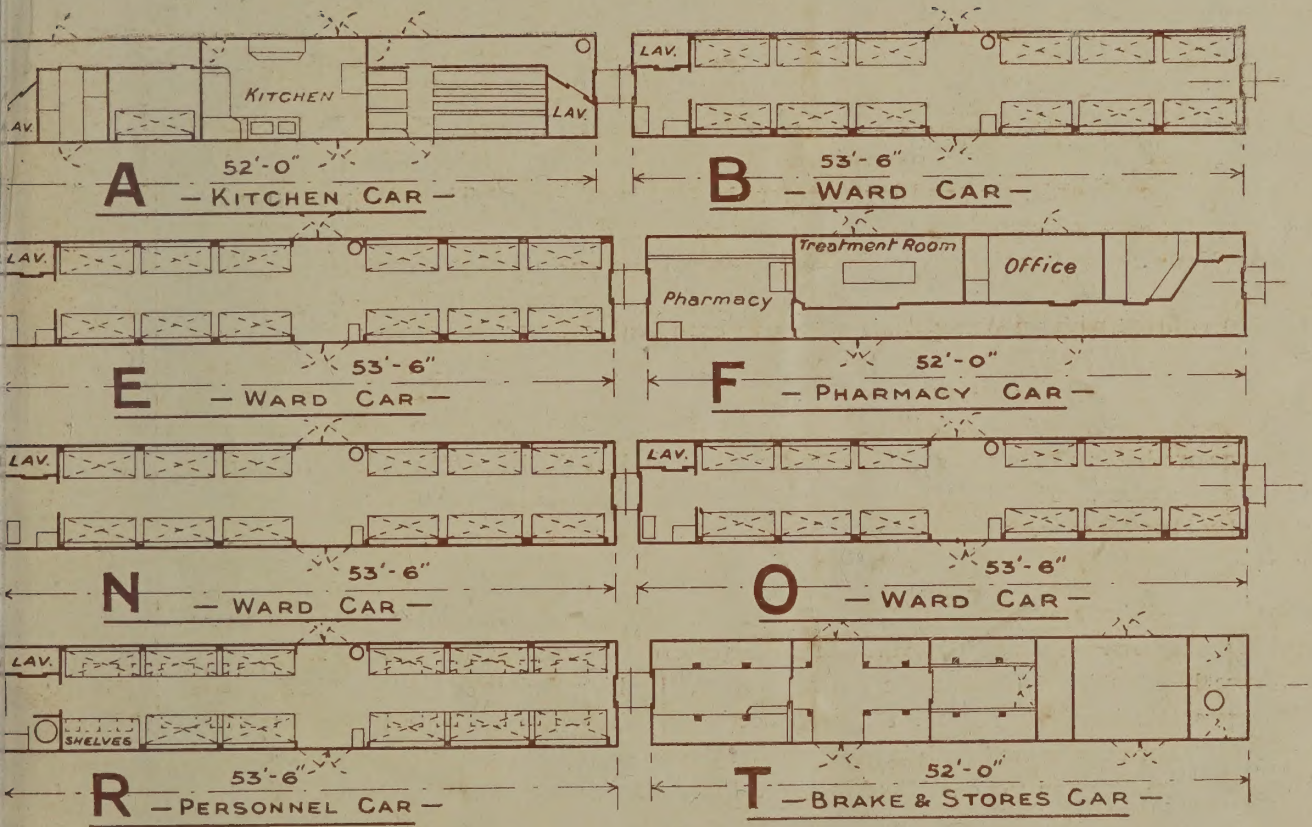


ANCE TRAIN Nº 37 —

KITCHEN CAR, WITH ACCOMMODATION FOR SITTING SICK OFFICERS—This car contains a spacious kitchen, cooks' room with a tier of three beds, falling table and seat, officers' pantry fitted with sink, cupboards, etc., and lavatory for the Medical Officers. There is, in addition, a comfortable room for sitting sick officers, the seats of which are arranged on either side with tables down the centre. Net racks and book shelves are provided. A lavatory adjoins this compartment.

The kitchen is fitted with an Army Dixie Range to burn coal, coke or anthracite ; there is a copper boiler and hot water installation so as to ensure a constant supply of hot water, which is stored in a tank fixed above the stove.

On the range are boiling pans recessed into the top plate, and at the back over these pans is a water tap for filling purposes. The kitchen also contains a dresser with racks and cupboards, and two sinks with hot and cold water taps.

WARD CARS—There are eight Ward Cars on the train, each fitted with 36 cots for lying-down cases, arranged in three tiers. Owing to the variation in the cases received for transfer to the Hospital Base the cots have been designed so that the centre tier may be hinged down to form a back to allow of the bottom cots being used as seats ; this gives accommodation for 48 sitting cases, and as at the same time the top tier may be used for lying-down cases, the accommodation is thus augmented to 60 cases. Two straps are fitted on the outside of each bed to safeguard the patient in transit. Each

KITCHEN
CAR.

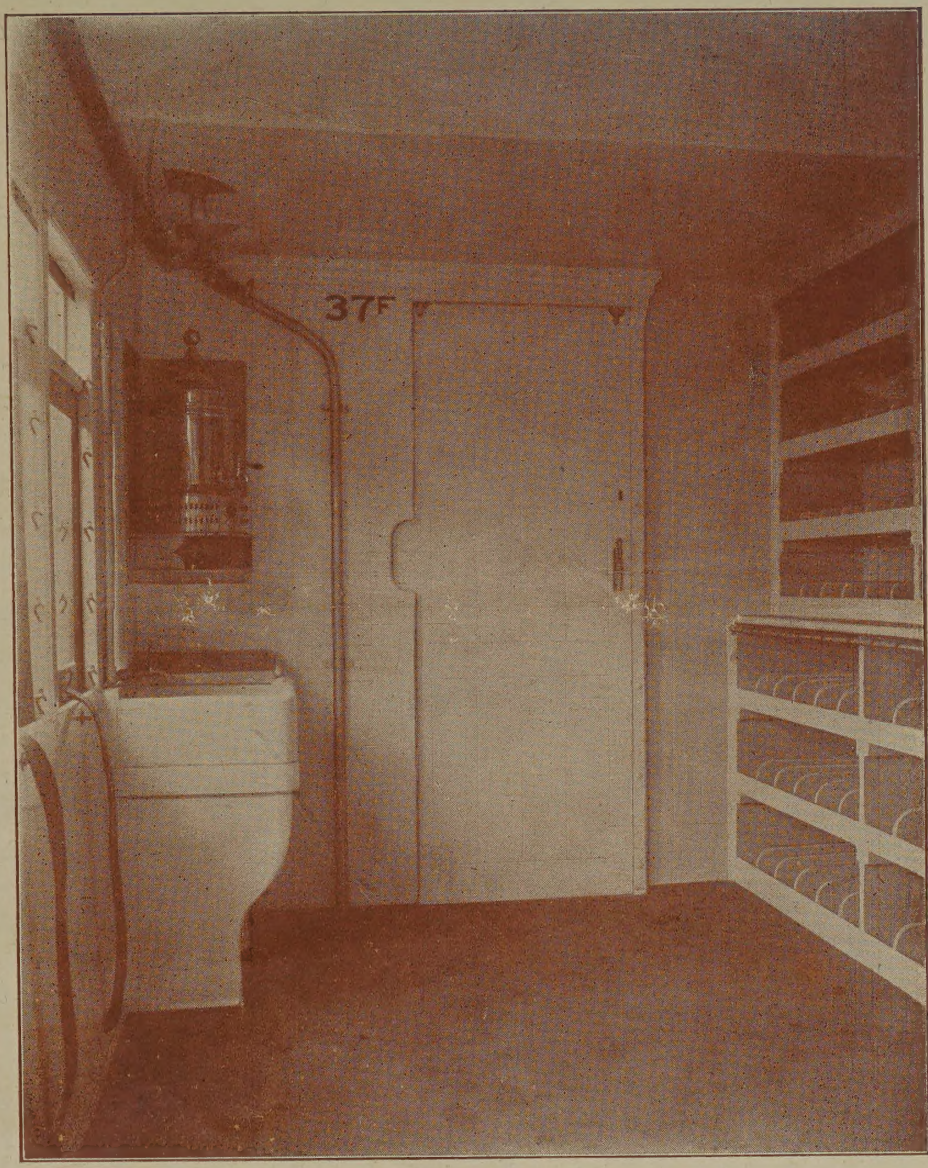
cot is provided with a comfortable mattress and two pillows, and it is interesting to note that for hygienic purposes the mattresses are filled with wood fibre and the pillows with white flock. There is also an ash tray, oddment rack and spitting cup bracket fixed over each cot in a convenient position. Other features are the numbering of the cots as in ordinary hospitals, portable stools for lifting the patients into the top berths, a folding table, a drinking water can and drop table, these latter placed near the double doors in the centre of the ward.

A lavatory is provided at one end of the car, fitted with racks for sanitary appliances, whilst on the opposite side to the lavatory sink and cupboard accommodation is provided.

Ample space for the easy manipulation of stretchers inside has been allowed for.

PHARMACY CAR—This car is placed in the centre of the Ward Cars, and is divided into five compartments, namely, Dispensary, Treatment Room, Office, Linen Room and Pantry for Medical Comforts.

The Dispensary is fitted with cupboards and shelves, a folding table and a hot water heater and sink with water supply ; it is immediately adjacent to the Treatment Room, in which an operation table, portable electric lamp and sterilizing tank are provided.



PHARMACY CAR, "Dispensary."

The door leading into the Treatment Room has a clear opening of 8ft. 2ins. and allows a Standard Army Stretcher to pass through. One of the special features of the train is that a patient can be carried on a stretcher from any of the eight Ward Cars into the Treatment Room, the minimum gangway being 2ft. 4in. wide, or from the outside of the car direct into the Treatment Room.

The Office is provided with a table, chairs, cupboards, safe and other necessary fittings.

INFECTIOUS SITTING CAR—This car contains seven compartments, entered from a side corridor, in addition to exterior side doors. The doorways are 2ft. 4in. in width to admit a stretcher; the seats for hygenic purposes are of three-ply wood unupholstered. Each compartment also contains an upper cot for lying-down cases, these are provided with a leather cushion filled with wood fibre—when not required for use the cots can be turned upwards. Three compartments are specially fitted for Mental Cases, iron bars being placed over the windows, and a swing door in the corridor to isolate this portion from the rest of the car. At one end of the car is a lavatory with sink, and at the other a spacious pantry fitted with shelves and cupboard.

A drinking water can is also provided.

KITCHEN AND MESS ROOM CAR—The Kitchen and the Cooks' Living Room in this car are similar to the ones already described. It also contains two Mess Rooms for N.C.O.'s and men respectively, suitably furnished, the latter room being fitted with a sink.

PERSONNEL CAR—This car is fitted similarly to the Ward Cars, but has only 33 cots, as shelves are required for the kit of the personnel of the train, for whose use this car is intended. There are also drawers under the lower cots for the private use of the men. A self-contained heating installation, similar to that provided in the Staff Car, is also fitted. If required this car may be used for patients.

BRAKE AND STORES CAR—In addition to the Brake Compartment and Guard's Living Room this car contains three Store Rooms and a Meat Safe ; the latter is well ventilated and provided with an electric fan and chopping board.

Light, ventilation and cleanliness have received the utmost attention, the train being plentifully equipped with electric fans (with portable fans for "gassed" cases), electric lights and ventilators, whilst rounded corners and cemented lavatory floors, are of considerable value in the keeping clean of the different cars.

The Wards and compartment floors are covered with linoleum and the kitchen floors with lead. Mention should be made of the easy riding of the cars, which are carried on four-wheeled bogies provided with bolster, side bearing and auxiliary springs and patent cushioned wheels.

October, 1917.

Ben Johnson & Co., Ltd., York.